CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/MNBK/16/2022-2023 Date:04.05.2022

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. Manoj Naik B M,** Contractor, Bangalore.

Name of Work : Comprehensive Developement of Roads and drains in near KK Apartments and Pipe road Surrounding areas in Ward No.16, Jalahalli, BBMP, Bangalore

Sample : :Cement (ACC 53 grade OPC)

Sample Supplied by: :AGENCY

Date of Manufacture: : April-2022

Date of Testing 02.05.2022 to 04.05.2022

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	125 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	360 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00%	-

Note:

1. The material is satisfied as per the requirements.

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ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

AEE-YPR

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/MNBK/16/2021-2022 Date 04.05.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **Sri. Manoj Naik B M,** Contractor, Bangalore.
Name of Work : Comprehensive Developement of Roads and drains in near KK Apartments and Pipe road Surrounding areas in Ward No.16, Jalahalli, BBMP, Bangalore

Date of Testing 04.05.2022
IS Code :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	70	7.00	7.00	93.0	90-100
2.36	140	14.00	21.00	79.0	75-100
1.18	152	15.20	36.20	63.8	55-90
600 Micron	263	26.30	62.50	37.5	35-59
300 Micron	200	20.00	82.50	17.5	8-30
150 Micron	112	11.20	93.70	6.3	0-10

Note:
1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No: CQCE/BBMP/MNBK/16/2022-2023

Date: 16.05.2022

KERB STONE (CORE) TEST REPORT

Client	:	: Assistant Executive Engineer, Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	:	: Sri. Manoj Naik B M, Contractor, Bangalore.
Name of Work	:	: Comprehensive Developement of Roads and drains in near KK Apartments and Pipe road Surrounding areas in Ward No.16, Jalahalli, BBMP, Bangalore
No.of Sample Tested	:	03
Date of Testing	:	16.05.2022
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	74.00	0.339	2333.13	1.48	0.944	25.60	13.04	14.08	13.29	16.61
2	50.00	78.00	0.363	2370.18	1.56	0.952	26.30	13.39	14.47	13.78	17.22
3	50.00	82.00	0.385	2391.21	1.64	0.961	27.80	14.16	15.29	14.70	18.37

Note:

1. The Material is satisfied as per the Requirement.

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Job No.: CQCE/BBMP/MNBK/16/2022-2023

Date: 16.05.2022

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client : : Assistant Executive Engineer, Yeshwanthpura Sub Division,BBMP, Bangalore.

Contractor : : Sri. Manoj Naik B M, Contractor, Bangalore.

Name of Work : : Comprehensive Developement of Roads and drains in near KK Apartments and Pipe road Surrounding areas in Ward No.16, Jalahalli, BBMP, Bangalore

No.of Sample Tested : 03

Date of Testing : 16.05.2022

Techinical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.

Grade of Concrete : M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	81.00	0.369	2320.13	1.62	0.959	32.30	16.45	17.77	17.04	21.30
2	50.00	85.00	0.395	2366.73	1.70	0.968	34.80	17.72	19.14	18.52	23.15
3	50.00	89.00	0.417	2386.25	1.78	0.976	35.60	18.13	19.58	19.12	23.90

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Lab No: CQCE/BBMP/MNBK/16/2022-2023

Date: 16.05.2022

PRECAST SLAB 250mm Thick(CORE) TEST REPORT

Client : : Assistant Executive Engineer, Yeshwanthpura Sub Division,BBMP, Bangalore.

Contractor : : Sri. Manoj Naik B M, Contractor, Bangalore.

Name of Work : : Comprehensive Developement of Roads and drains in near KK Apartments and Pipe road Surrounding areas in Ward No.16, Jalahalli, BBMP, Bangalore

No.of Sample Tested : 03

Date of Testing : 16.05.2022

Techinical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.

Grade of Concrete : M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	90.00	113.00	1.667	2318.90	1.26	0.920	109.20	17.17	18.54	17.05	21.31
2	90.00	117.00	1.743	2341.73	1.30	0.924	111.30	17.50	18.89	17.47	21.83
3	90.00	120.00	1.823	2387.72	1.33	0.928	112.50	17.68	19.10	17.72	22.15

Note:

1. The material is satisfied as per the requirements.

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Job No: CQCE/BBMP/MNBK/16/2022-2023

Date 04.05.2022

TEST REPORT ON FINE AGGREGATES (SAND) IS 1542-1992

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. Manoj Naik B M,** Contractor, Bangalore.

Name of Work : Comprehensive Developement of Roads and drains in near KK Apartments and Pipe road Surrounding areas in Ward No.16, Jalahalli, BBMP, Bangalore

Date of Testing 04.05.2022

Material : Plastering Sand

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	16	1.60	1.60	98.4	95-100
2.36	18	1.80	3.40	96.6	95-100
1.18	32	3.20	6.60	93.4	90-100
600 Micron	72	7.20	13.80	86.2	80-100
300 Micron	270	27.00	40.80	59.2	20-65
150 Micron	550	55.00	95.80	4.2	0-15

Note:

1. The material is satisfied as per the requirements.

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Job No.: CQCE/BBMP/MNBK/16/2022-2023

Date 04.05.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. Manoj Naik B M,** Contractor, Bangalore.

Name of Work : Comprehensive Developement of Roads and drains in near KK Apartments and Pipe road Surrounding areas in Ward No.16, Jalahalli, BBMP, Bangalore

Date of Testing 04.05.2022

Material : Masonry Sand

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	22	2.20	2.20	97.8	90-100
1.18	36	3.60	5.80	94.2	70-100
600 Micron	80	8.00	13.80	86.2	40-100
300 Micron	254	25.40	39.20	60.8	5-70
150 Micron	482	48.20	87.40	12.6	0-15

Note:

1. The material is satisfied as per the requirements.

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